

Title (en)  
CONJUGATED DIENE RUBBER COMPOSITIONS, PROCESS FOR PRODUCTION OF THE SAME AND PRODUCTS OF CROSSLINKING THEREOF

Title (de)  
KAUTSCHUKZUSAMMENSETZUNGEN AUF BASIS VON KONJUGIERTEN DIENEN, HERSTELLUNGSVERFAHREN DAFÜR UND VERNETZUNGSPRODUKTE DAVON

Title (fr)  
CAOUTCHOUC DE DIENES CONJUGUEES, SON PROCEDE DE PRODUCTION, ET SES PRODUITS DE RETICULATION

Publication  
**EP 1661946 A4 20090722 (EN)**

Application  
**EP 04772616 A 20040901**

Priority  
• JP 2004012660 W 20040901  
• JP 2003308391 A 20030901

Abstract (en)  
[origin: EP1661946A1] A conjugated diene rubber composition comprising (A) 5-95 wt.% of a conjugated diene rubber having a structure such that at least three conjugated diene polymer chains are bonded together through a specific polyorganosiloxane having groups containing alkylene glycol repeating units and (B) 95-5 wt.% of a conjugated diene rubber having reacted with a compound having in the molecule a functional group selected from >C=O, >C=S, amino, imino, epoxy, pyridyl, alkoxy and halogeno. This rubber composition gives, when silica is incorporated therein, a vulcanizable rubber composition having good processability and giving a rubber vulcanizate exhibiting sufficiently reduced heat build up, and having good wet-grip property and good abrasion resistance.

IPC 8 full level  
**B60C 1/00** (2006.01); **C08G 77/442** (2006.01); **C08G 81/02** (2006.01); **C08K 3/04** (2006.01); **C08K 3/36** (2006.01); **C08L 9/00** (2006.01); **C08L 19/00** (2006.01); **C08L 21/00** (2006.01)

CPC (source: EP KR US)  
**B60C 1/00** (2013.01 - EP KR US); **B60C 1/0016** (2013.01 - EP KR US); **C07D 405/12** (2013.01 - EP KR US); **C07D 417/06** (2013.01 - EP KR US); **C07D 417/14** (2013.01 - EP KR US); **C07D 513/04** (2013.01 - EP KR US); **C08L 19/006** (2013.01 - EP KR US); **C08L 21/00** (2013.01 - EP KR US); **C08L 83/10** (2013.01 - EP KR US)

Citation (search report)  
• [A] EP 0849333 A1 19980624 - SUMITOMO RUBBER IND [JP]  
• [A] GB 1486807 A 19770928 - MOBIL OIL CORP  
• [A] DATABASE WPI Section Ch Week 200118, Derwent World Patents Index; Class A12, AN 2001-171908, XP002531270  
• See references of WO 2005021637A1

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Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 1661946 A1 20060531; EP 1661946 A4 20090722; EP 1661946 B1 20121226**; CN 1878830 A 20061213; CN 1878830 B 20120704; JP 4670639 B2 20110413; JP WO2005021637 A1 20071101; KR 101113618 B1 20120217; KR 20060133951 A 20061227; US 2008275184 A1 20081106; US 7700693 B2 20100420; WO 2005021637 A1 20050310

DOCDB simple family (application)  
**EP 04772616 A 20040901**; CN 200480032751 A 20040901; JP 2004012660 W 20040901; JP 2005513524 A 20040901; KR 20067004210 A 20040901; US 57002504 A 20040901